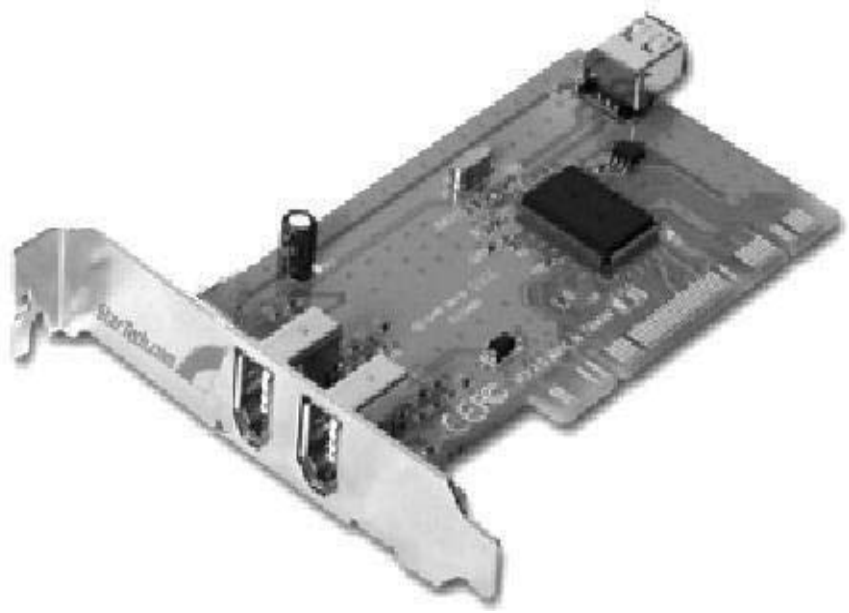
FIREWIRE CARD

Low-Profile 2-port IEEE 1394 FireWire
PCI Card with Video Editing Software

PCI1394_2LP

Instruction Guide



* Actual product may vary from photo

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FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com FireWire PCI card and digital video editing kit. This low profile, two-port card allows you to instantly connect your video camera, image scanner, digital still camera, or any other IEEE 1394 FireWire device to your PC. And with the Ulead VideoStudio digital editing software included in this kit, you can create and edit your home movie masterpieces with ease.

Features

- Compatible with most digital video camcorders including Sony, Canon, Panasonic, JVC, Samsung, and many others
- Supports hard disk drives, DVD drives, CD-R/RW drives, printers, etc.
- Data transfer rates of up to 400 Mbits/sec
- Allows easy connection of internal and external FireWire peripherals
- Backed by StarTech.com's limited lifetime warranty

Before You Begin

To ensure a quick and easy FireWire PCI card installation, please read through this section carefully before attempting to install the card.

System Requirements

- An IBM-PC compatible computer running Windows XP/2000/ME/98SE
- One open PCI slot (must be low profile)

Ulead VideoStudio SE Recommendations for Digital Video:

- Pentium III (800 MHz or above) processor with 256 MB of RAM (512+ MB recommended)
- 600 MB available hard drive space for program installation, 4+ GB additional available hard drive space for video capture and editing
- Display system capable of 1024 x 768 resolution, DirectX version 9 (or higher)

WARNING! PCI cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI card by its edges and not the gold connectors.

Contents

- 1 x 2-port low profile FireWire card
- 1 x 4-6 pin IEEE 1394 FireWire cable
- 1 x Ulead VideoStudio SE editing software CD

Installation

This section will guide you through the installation of your FireWire PCI card and Ulead VideoStudio editing software. Please read through the instructions carefully and complete each step in the order listed.

Installing the Card

1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system (see your computer's user manual for details, if necessary) and gently turn your computer onto its side.
3. Locate an empty low profile PCI slot (usually white in color) and remove the metal plate that covers the rear bracket. You may need a screwdriver to perform this step. **Retain the screw!** You will need it to secure the card later.
4. Gently insert the FireWire card into the empty slot, making sure it is firmly seated.
5. Secure the card in place using the screw you removed in Step 3, if used.
6. Put the computer case back on.

Installing the Drivers

Once you have connected your FireWire card, the next time you turn on your computer Windows will automatically detect that you have installed new hardware. Follow the instructions below to install the required software drivers. Depending on your operating system and the configuration of your system, the instructions you see on your screen may not be identical to the instructions below.

Windows XP / 2000

Windows will automatically detect the new device and install the drivers automatically. To verify that the FireWire card has been properly installed, choose the following:

1. Click **Start**.
2. Right-click **My Computer** and choose **Properties** by highlighting it and left-clicking once.
3. Click the **Hardware** tab, and then click **Device Manager**.
4. Look for **IEEE 1394 Bus host controllers** category. Click the + symbol next to the name.

5. If **VIA OHCI Compliant IEEE 1394 Host Controller** appears without an exclamation mark or other warnings, the card is installed correctly.

Windows ME

1. Windows should automatically detect the new hardware. At the Add New Hardware Wizard window, click **Next**.
2. Select "Search for the best driver for your devices (Recommended)" and click **Next**.
3. Insert your Windows ME CD into your computer's CD-ROM drive. Select "CD-ROM drivers" and click **Next**.
4. Click **Finish**.
5. Remove the CD and select **Yes** to restart your computer.

To verify that the FireWire card has been properly installed, choose the following:

1. Click **Start**.
2. Right-click **My Computer** and choose **Properties** by highlighting it and left-clicking once.
3. Click **Device Manager**.
4. Look for **1394 Bus Controller** category. Click the + symbol next to the name.
5. If **VIA OHCI Compliant IEEE 1394 Host Controller** appears without an exclamation mark or other warnings, the card is installed correctly.

Windows 98SE (Second Edition)

1. Windows should automatically detect the new hardware. At the Add New Hardware Wizard window, click **Next**.
2. Select "Search for the best driver for your devices (Recommended)" and click **Next**.
3. Insert the Windows 98SE CD-ROM and check the "CD-ROM drive" option. Click **Next**.
4. Choose "The Updated Driver (Recommended)" and click **Next**.
5. Click **Next** again. If prompted for the Windows CD again, type "x:\win98" and click **OK** where "x:" is the drive letter assigned to your CD-ROM drive.
6. Click **Next**, then **Finish** to complete the driver installation.
7. If prompted, remove the Windows CD from the drive and click **Yes** to restart.

To verify that the FireWire card has been properly installed, choose the following:

1. Click **Start**, **Settings, Control Panel**.

2. Double click **System** and choose the **Device Manager** tab by highlighting it and clicking it once.

3. Look for **1394 Bus Controller** category. Click the + symbol next to the name.

4. If **VIA OHCI Compliant IEEE 1394 Host Controller** appears without an exclamation mark or other warnings, the card is installed correctly.

Installing Your Ulead VideoStudio SE Software

For detailed instructions on the installation and use of the digital editing software, consult the Ulead VideoStudio manual available on the CD. From the VideoStudio CD setup screen click **Browse CD** then open the **Document** and **Manual** folders and select your language (Note: To view the manual, you will need Adobe Acrobat Reader, which you can download from the Install Drivers menu on the CD). StarTech.com recommends carefully reading the instructions supplied by Ulead before attempting to install or use the software.

1. Insert the VideoStudio CD into your computer's CD drive. The setup screen should appear automatically. If the screen does not appear, run the CD manually by double-clicking on **My Computer** then double-clicking the **CD** icon.

2. Click on **Install** and follow the installation instructions.

3. Follow the on-screen instructions.

Specifications

Bus Interface	PCI with Power Management
Form Factor	Low profile
Transfer Rate	100 / 200 / 400 Mbits / sec.
Protocols	Asynchronous and Isochronous data transfer Real-time digital applications (digital video) Non real-time (printers, scanners) Hot-plug devices supported
Serial Bus	3-port PHY layer connector and interface Maximum of 63 device connections via daisy chain Maximum device cable length: 14.5 ft. (4.5 m)
Connectors	2 x External 6-pin FireWire Female 1 x Internal 6-pin FireWire Female
Software Included	Ulead VideoStudio SE
OS Support	Windows XP / 2000 / ME / 98SE
Warranty	Limited Lifetime

Technical Support

The following technical resources are available for this StarTech.com product:

On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, **www.startech.com**. In the tech support section there are a number of options that can provide assistance with this product.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help:
USA/Canada: 1-800-265-1844
UK/Ireland/Europe: 00-800-7827-8324
Support hours: Monday to Friday 9:00AM to 5:00PM EST (except holidays)

Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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